

# The Tech

VOLUME 92 NUMBER 15

TUESDAY, APRIL 4, 1972

MIT, CAMBRIDGE, MASSACHUSETTS

FIVE CENTS

## NSF to fund pre-law jobs

The MIT Urban Legal Services Project (ULSP) has announced plans for placing students in law-related fieldwork positions for the coming summer months, having secured a grant from the National Science Foundation.

The grant, totalling some \$17,000, was awarded to the pre-law group as a "student originated study," a new NSF grant awarded for studies in pure and social sciences. Of approximately nine applications from groups at MIT only two, including the ULSP, were awarded the SOS fellowships for the summer.

Money from the grant will go to provide stipends for pre-law students working with various local, state, and federal governmental and legal agencies throughout the summer. Students will be placed in teams, each of which will work in a different area of law, including environmental, criminal, housing, etc.

The ULSP was formed one year ago by a group of MIT and Wellesley students, and has been successful in placing pre-law students in fieldwork positions throughout the '71-'72 academic year, following a very successful pilot project last summer involving six participants. Thus far, for the second term of the current academic year, 21 MIT undergraduates have been placed in positions at community legal aid societies, the Massachusetts Leg-

islature, and other public interest law groups in the Boston area.

In commenting on the future of the pre-law group and the success of the summer project, members of the group's Planning Board have stated that students selected for the summer placements will range in skills and qualifications. Hopefully, some will be "totally unfamiliar with the legal profession, while others will already have had experience in the type of placements the group will provide."

The ULSP hopes to be able to place as many as 15 to 25 students in the legal placements for the summer, with stipends coming from the NSF grant as well as from other sources currently being investigated.

Competition for the available

positions will be stringent, and Director of the Planning Board, Neil Cohen, speculates that the long selection process will be a combined effort, between the ULSP Planning Board, advisors, and agencies offering placements. Once students are ratified by all factions of the selection process, they will have to attend a week-long orientation period at the beginning of the summer to acquaint them with a general overview of the field of law, as well as familiarizing all students with the fundamentals of their specific areas.

Applications for the summer placements will be available at the MIT Urban Action Office, and all applications must be returned by April 15 to insure that the selection process and all final arrangements may be made before the end of the year.

## McGovern, Humphrey lead Demo hopefuls

By Peter Peckarsky  
Milwaukee, Wis. The voters of Wisconsin will turn out in unprecedented numbers for the Presidential primary balloting today.

Already, past records for the number of absentee ballots cast have been broken. In many areas of the state, more absentee ballots were cast on the first day on which absentee voting was allowed than had been cast in previous elections.

The race has occupied the attention of the entire state for the two weeks since the Florida primary.

On Easter Sunday, Senators Hubert Humphrey and Edmund Muskie and Mayor John Lindsay toured the Milwaukee County Zoo and the Mitchell Park Conservatory. At the zoo, Humphrey's train stopped on a slight incline returning to the station. Humphrey jumped off and started pushing it uphill. He was immediately asked: "Senator, does this mean the Humphrey express has run out of steam?"

Shortly after this, Humphrey met Lindsay. When the two entourages split apart, Lindsay continued his aloof manner of campaigning and toured the zoo, signing a few autographs and followed by a few curious onlookers. In marked contrast, Humphrey shook the hands of everyone in sight during his tour of the zoo and the conservatory.

No voter preference sample has been conducted in Wisconsin, but the Oliver Quayle Organization and the Public Broadcasting System have taken non-scientific telephone polls. The results of the last of these, which was completed on March 26, are: McGovern 23%, Humphrey 18%, Muskie 13%, Governor George Wallace 12%, Senator Henry Jackson 11%, Lindsay 1% and others and undecided 22%. Observers have detected a surge for McGovern in the last couple of weeks.

Part of the reason for the large number of undecided voters at this late stage in the campaign is the lack of a single issue around which the campaign could revolve. Busing is not a big problem in Wisconsin; the Vietnam war has been discussed and denounced but it is not a

burning issue in the Badger State. The high rate of unemployment in Wisconsin probably concerns the voters most but the candidates have been able to do little except denounce President Nixon's policies and promise to do better.

The relative organizational strength of the candidates may prove to be the deciding factor in the campaign. By far, McGovern has the best campaign organization in the state. Humphrey and Muskie have good organizations, but they cannot compete with McGovern's on a state-wide basis. Apparently, the organizations of Wallace, Jackson and Lindsay were never organized well.

In addition to the above candidates who have campaigned in the state, the names of Representative Shirley Chisholm, Representative Patsy Mink, Representative Wilbur Mills, Senator Vance Hartke, former Senator Eugene McCarthy, and Los Angeles Mayor Sam Yorty will appear on the ballot. These candidates are expected to draw little, if any, popular support.

McGovern's organization demonstrated its skill by arranging for shuttle buses to take University of Wisconsin students to cast absentee ballots before they leave for vacation. It is expected that a large percentage of these votes will go for McGovern.

In the Republican primary, Representatives John Ashbrook and Paul McCloskey will appear on the ballot along with President Nixon. Nixon is expected to easily capture all delegates to the Republican National Convention.

On Sunday, the *Milwaukee Journal*, the only state-wide paper, charged in a front page story that "an official of the Boeing Company, a major aerospace and defense contractor in the home state of Senator Henry M. Jackson of Washington, has been actively campaigning for the Senator here on his full corporate salary and using his Boeing expense account to buy pro-Jackson advertisements in Wisconsin newspapers."



Photo by Dave Tenenbaum

## Health program gains grant

The recently created Harvard-MIT Program in Health Sciences and Technology has received its first significant research funding in the form of a five million dollar, five year grant from the National Heart and Lung Institute (NHL). The project will be a multidisciplinary program for research into the innovation and application of biomedical materials.

Director of the Harvard-MIT Program Irving London, M.D. and Professor of Biology at MIT, noted this biomaterials-centered research effort would hopefully be the prototype of the kind of multidisciplinary research that the Program will develop in several sectors of health science. Robert Mann, Germeshausen Professor and Professor of Mechanical Engineering at MIT, will be the administrator of the biomaterials endeavor. He is well qualified, being a noted authority on the research and development of prostheses and other aids for the handicapped, especially amputees and the blind.

Initially, the program will involve the collaboration of some thirty-three investigators from MIT and Harvard on fifteen separate projects. These projects evolved from a series of seminars held during the past two years under the auspices of the Harvard-MIT Program. These seminars were given for engineers, physical scientists, medical researchers, and clinicians from not only the two schools but also university-related hospitals in the area.

London was quoted as saying "This grass roots development of the program is a crucial element. It is only through voluntary association that scientists of high quality may be expected to join together in the planning and

execution of coherent and integrated research efforts. Our experience with the biomaterials research program indicates that they are quite ready to join programs in which they have a collective responsibility."

Mann chaired the Steering Committee which organized and proposed the program to the National Institutes of Health, of which the NHL is a division. He expects that the effort will become the leader locally and nationally in the research on natural biological materials and synthetic substitutes.

The researchers participating in the program represent numerous disciplines including various medical specialties, engineering, physics, biology, and biophysics. Their interests range from basic research through the application of findings to actual health services and cover many areas of biomaterials science as organized into four major categories.

The first area deals with the investigation of synthetic materials that can remain in long-term contact with flowing blood without incurring the hazard of altering blood composition or causing coagulation. The development of sensitive analysis for the detection of vital blood components is under the direction of Dr. Edgar Haber while the study of a technique to promote the production of natural biological interfaces with blood is being headed by Dr. William F. Bernhard in collaboration with specialists in nuclear medicine from the MIT Department of Nuclear Engineering. Participants concerned with the creation of the non-thrombogenic materials include Professor of Chemical Engineering Edward Merrill and Professor

of Biophysics David Waugh and Dr. Edwin Salzman.

The second sector of the program concentrates on large molecules, natural and artificial membranes, and the dynamics of cells, particularly those of blood. Biophysicist Dr. S. Roy Caplan and Dr. Alvin Essig will work with MIT physicists Dr. M. Howard Lee and Professor H. Eugene Stanley in the study of the transport mechanisms of synthetic membranes and biological tissues. Thermal phenomena will be studied at both the micro and macroscopic levels by MIT's Professor of Mechanical Engineering Ernest Cravalho and Dr. Padmakar Lee, a professor of experimental medicine in the Department of Mechanical Engineering, and Dr. H. Frederick Bowman, Executive Officer of the Biomaterial Program. The freezing and thawing of human blood will be investigated in detail by Dr. Charles Huggins and by Cravalho. Dr. John Burke and Professor Ioannis V. Yannas, a specialist in polymer engineering from MIT, will cooperate in the study of collagen and gelatin composites in the hopes of providing a substitute for skin during wound healing.

Research into how the motion of blood particles influences the transfer of chemicals within blood and to the blood-confining membranes will be undertaken by Ascher Shapiro, head of the MIT Department of Mechanical Engineering. Borivoje Mikic, professor of mechanical engineering at MIT, and Dr. Philip Drinker will center on the development of new blood oxygenation systems, for example, artificial lungs using synthetic membranes and other liquids.



# MIT to sponsor open house

By Debra Deutsch

What do square dancing, the flow of slime mold, young people's lectures in physics, and a display of an Apollo space capsule have in common? They will all be found at MIT's next Open House, to be held on April 15, from noon to 5 p.m.

Run by the Open House committee, which is chaired by Yale Zussman '74, the event, which will be open to the general public, has had its trials and tribulations. A letter design-

ed to inform department heads of Open House's existence, and of the need for each department to have a faculty member to coordinate its exhibits was bottled up for a while on the desks of the Institute's administration. Once it got out, however, Open House went into high gear, with members of the exhibits subcommittee spending many hours on phones in an effort to get coordinators and exhibits. Presently, almost every department, and many of the labs and student activities have agreed to sponsor displays.

Suggestions for exhibits should be directed to appropriate departments, since plans are not yet final. There is also a great manpower shortage. People are needed on all levels to provide help for information booths, refreshment stands, and to act as tour guides, as the entire Institute will be used and people are liable to be confused by the labyrinth of corridors.

The Open House committee has ordered some 3500 posters.

from MIT Publications, in order to let the members of the community know what's going on. People are needed to help distribute them around Boston and Cambridge. Letters will be sent out to parents and the newly-admitted class of '76 in order to give them a chance to find out what MIT is all about before they make their college decision.

Among some of the exhibits planned are tours of the Green Building (Course XII), a ship model in building 48 (Ocean Engineering) and Tech Model Railroad Club's railroad. The Green Building's tours will be in three categories: Earthquakes, Planetary Science, and Oceanography. These will feature a visit to a mass spectrometer age dating lab, and the chance to see seismometers in action.

People interested in helping Open House in any capacity should call the Open House office at x1435; x1436, or x1437 or the APO office at x3788 or d19685.

## NOTES

\* There will be an important meeting of the Interfraternity Conference on Tuesday, April 4 at 8 pm at Kappa Sigma, 33 Bay State Road. Topics will include: Elections of judicial committee members; further clarification of the Great MIT Extension Phone Mystery; Faculty Affiliation discussion and Reactions to the proposed IFC Ball.

\* The Compton Lecture Series Committee will present Dr. Jerome Bruner, professor of psychology at Harvard, in a series of two lectures on "The Nature and Uses of Immaturity" on Thursday and Friday, April 6 and 7, at 8 pm in Kresge Auditorium. The Thursday lecture is entitled "The Primate Evolution of Educability" and on Friday Dr. Bruner will talk on "Models, Tutors, and Human Pedagogy." Free tickets will be distributed to people with MIT ID's on Wednesday morning in the Building 10 lobby. The doors will be open to the general public at 7:50 each evening.

\* The MIT Chinese Students Club is sponsoring China Week at MIT, April 4-8. There will be a free film festival in Room 407, Student Center, from 7:30-11:00 pm on April 4-6.

\* Dr. Eugene Horn, Chairman of the Committee on Admissions, the Albany Medical College of Union University will speak on Thursday, April 6, at 5 pm in 2-139.

\* MIT Dance Workshop - come to a meeting with Athena Halkiotis and learn about the art of stage makeup - and an organizational meeting with election of officers for next year will precede the meeting. Thursday, April 7 at 7:30 pm, in the McCormick West Penthouse. Refreshments. All are welcome.

\* Lawrence L. Weed, M.D., Department of Medicine, University of Vermont, will discuss "Teaching a Core of Behavior (Why Teaching a Core of Knowledge Is Wrong)" at an ERC Colloquium in the Bush Room on Friday, April 14 at noon.

\* Hey Frosh! You've been here long enough to see how this place works. Now it's your turn to help next year's crop of *Fresh Recruits* avoid the *Pitfalls* you ran into. How to GAMIT needs your comments and folk wisdom in our Suggestion Copy at TCA (W20-450) 4th floor Student Center. Upperclassmen too!

\* Anyone interested in refereeing intramural soccer this spring should attend the referees clinic Wednesday, April 5 at 7 pm in room W32-137.

\* The Engineering Projects Laboratory will present a survey of research in transportation in the ME Department in the Vannevar Bush Room on April 4, 1972, from 12 to 4 pm. The program will include presentations, panel discussions, and laboratory demonstrations concerning urban transportation, high speed vehicles, and the co-ordination of technology and planning efforts in the political environment. Students, faculty, staff, and visitors from outside MIT are cordially invited to attend.

\* Students interested in planning a junior year abroad or a summer study abroad program should contact Dean Hazen in the Foreign Study Office, Room 10-303, x5243, as soon as possible. Deadlines are soon approaching for 1972-73 junior year abroad programs, so come on over!

THE MIT CHINESE STUDENTS CLUB  
—PRESENTS—

## CHINA WEEK

APRIL 3 - 8

\* Slides in Building 3

\* Gift shop in lobby of Building 10

Pastries

Gifts

Tickets for the China Nite Variety Show

\* Free Film Festival

Slides and movies depicting aspects of Chinese life

Shown in Rm. 407, Student Center, 7:30-11PM, April 4-6

\* Party

8-12PM, Friday, April 7, in Lobdell

Admission - \$2.00 in advance

\$2.50 at door

—CONCLUDING WITH—

\* China Nite Variety Show

Featuring a live performance of Peking Opera

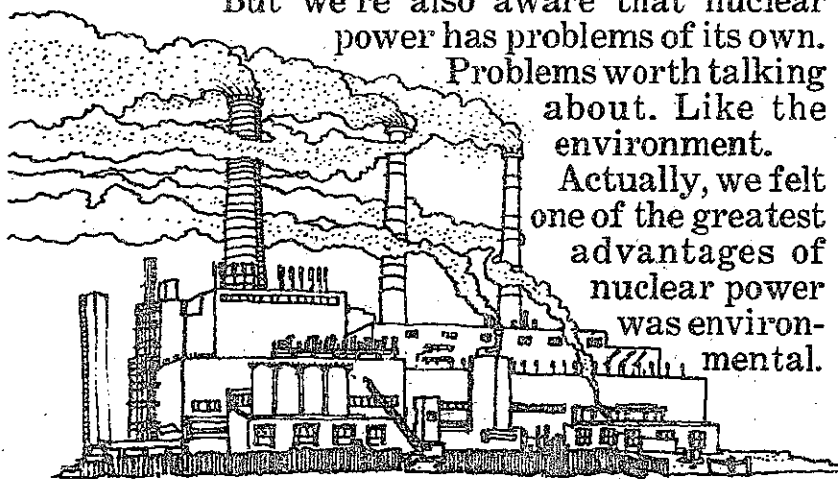
In addition, choral and instrumental acts

8PM, Kresge Auditorium, Saturday, April 8

Reserve tickets: \$2,3,5. Sold in Building 10 and at the door. Reservations may also be made on x4720.

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Many people don't realize, for example, that utilities are required by federal law to design and operate their plants within temperature limits prescribed by the states.

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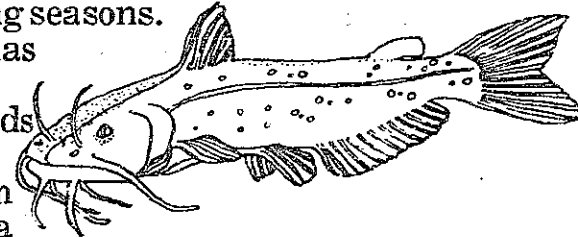
But, in addition, utilities are sponsoring basic research on heat exchange and its ef-

fect on aquatic life. More than 97 utilities have been financially involved in over 300 such studies.

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It's been found, in some cases, adding heat to water can actually be beneficial. Warm irrigation water has extended growing seasons.

Warm water has created new wintering ponds along water-fowl migration routes. Florida is using it to grow shrimp and lobster. In Texas, it's increasing the weight of commercial catfish by as much as 500%.



Work to be done.

Listing these benefits is not to beg the issue. Thermal effects remain a tough problem to solve at many sites. Each plant must be considered individually, in its own environment, and this is being done.

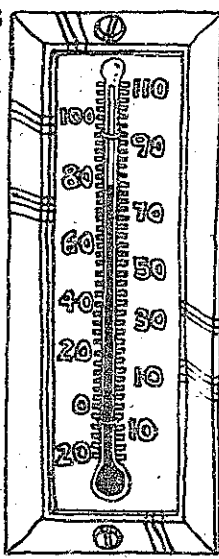
General Electric, the utilities and environmentalists will continue to work hard. Because we think the advantages of nuclear power far outweigh the disadvantages.

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It's one ad of a series on the problems of man and his environment today. And the ways technology is helping to solve them.

The problems of our environment (not just nuclear power problems) concern us because they will affect the future of this country and this planet. We have a stake in that future. As businessmen. And, simply, as people.

If you are concerned too, we'd like to hear from you. Write General Electric, Dept. 901-CN, 570 Lexington Avenue, New York, N. Y. 10022.



GENERAL ELECTRIC

# SDS holds quiet convention

After several weeks of battling for a meeting place, SDS held its national convention at Harvard last weekend without apparent incidents.

The convention, which was slated to run from Thursday, March 30 to Sunday, April 2, was granted use of Phillips Brooks House at Harvard for the weekend, while the Cambridge School Committee had granted SDS permission to use Rindge Tech Auditorium on Thursday and Friday.

According to *The Boston Globe*, more than 1000 SDS members attended the "national convention against racism." Much of the convention's time, *The Globe* reported, was devoted to debating political ideology. *The Globe* painted a bleak picture of the convention, focusing on various factions within the convention: Progressive Labor, the Spartacist League (based on Leon Trotsky's 1938 program), and

the Revolutionary Communist Youth.

Apparently, area newsmen were denied access to the convention - WNAC's Saturday night news reported that its cameras were barred from the meeting place and instead showed young radicals standing outside the meeting hall engaged in discussion.

MIT SDS had requested space for the convention at MIT. Provost Walter Rosenblith, however, denied the request, saying that MIT SDS, by their past actions, had forfeited their right to use rooms at MIT. This came in spite of a favorable recommendation from the Student Center Committee.

On Friday, March 10, SDS had confronted Cornell Psychologist Urie Bronfenbrenner, alleging that his work was of a racist nature. Bronfenbrenner, lecturing at MIT at the invitation of the Psychology Department, replied that his ideas had changed since

the article under attack had been written. SDS has also launched heavy attacks against Harvard psychologist Richard Herrnstein. Two weeks ago, during a World Peace Lecture, MIT SDS members questioned Professor of Economics and Political Science Everett Hagen about alleged connections between the CIS and the CIA.

SDS had turned to MIT for rooms for their national convention when Harvard had refused to allow them to use any classrooms on Thursday and Friday while the university was still in session.

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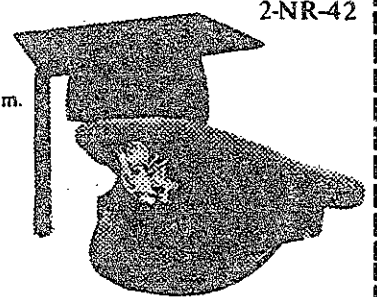
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2-NR-42

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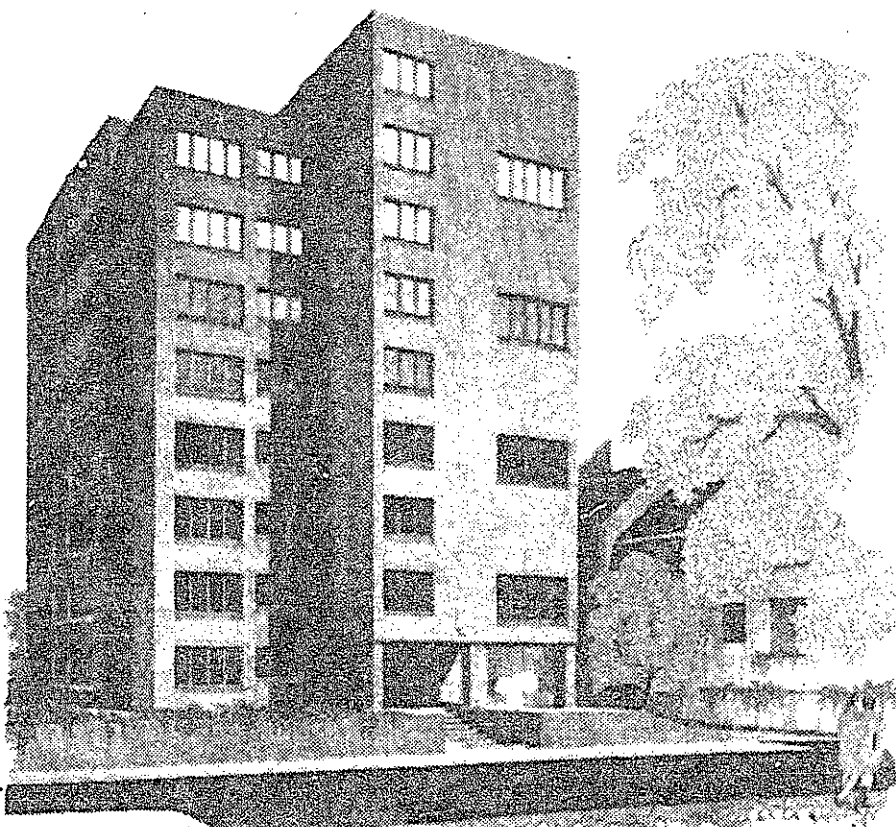
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Jack Nicholson's DRIVE, HE  
SAID 3:40 - 7:40

### BRATTLE SQ.

876-4226 Thru Tues  
Carl Dreyer's THE PASSION OF  
JOAN OF ARC 6:00 - 8:30 & Jiri  
Menzel's CLOSELY WATCHED  
TRAINS 7:00 - 9:30

### CENTRAL 1

864-0426 61st Week  
De Broca's THE KING OF  
HEARTS 6:30 - 9:45 Weekend  
Matinees 3:10 & GIVE HER THE  
MOON 8:15 '55

### CENTRAL 2

864-0426 Thru Tues  
Boston Premiere OUTBACK  
Donald Pleasence, Gary Bond  
6:15 - 9:40 & BORN TO WIN  
George Segal, Karen Black 8:05



Continuous News Service

# The Tech

Since 1881

Vol. XCII, No. 15 April 4, 1972

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## The UA: Can it be revived?

By Lee Giguere

A little less than a month after the overwhelming approval of a referendum calling for its reorganization, what is the state of the Undergraduate Association? Generally crippled by the disinterest of its own constituency, the UA seems to be drifting in a state of limbo.

A series of shocks, beginning with the explosion of then-UAAP Mike Albert and ending with the total rejection of the General Assembly's repeated approval of a proposed Student Homophile League Mixer a year and a half ago, seems to have spelled the death of the UA as a vital organization. While the General Assembly, a body originally intended to make the UA more responsive to its constituents (the undergraduates), was in its final throes after the shocks of these repeated defeats, a few student leaders pronounced it worthless and eased it to a quiet death. Since that time, the Undergraduate Association has continued to operate in spite of its almost total alienation from the general student population.

Why is the UA now in such a bereft state? There seem to be two reasons. First, it has become separated from its constituency — students in general seem to have little interest in the UA, and the UA has not been able to maintain close contact with the undergraduate student body. The students who are involved in the Association, along with those who "represent" it on Institute committees, have had their legitimacy eroded away by this separation.

In addition, the so-called "government" has been plagued by its lack of authority. First the GA and recently the Student Center Committee have had their decisions overturned on questions of the use of the MIT Student Center. Even where the MIT administration has given the Association control (over the use of bulletin boards and booths in the main corridors), the UA has been unwilling (and to some extent unable) to take effective action.

Alienated from its constituency, the Undergraduate Association has deteriorated to the point where it currently consists almost entirely of a few committees which, because they are recognized by the faculty and administration, have been able to

continue their work, although in a vacuum.

### Reconstruction

Accepting this evaluation of the current state of the Undergraduate Association, what steps can be taken to reconstruct the UA into a viable organization. Perhaps the first point to be examined is that broached by Steve Ehrmann '71 in his letter to *The Tech* (February 18): essentially, time spent reorganizing student government is time that is not spent on more important things like education. Ehrmann's reasoning is convincing, but the fact is that lacking some organized structure for forwarding their ideas, undergraduates are unlikely to effect anything.

The goal in any reconstruction, then, should be twofold: first, to strengthen the bond between the undergraduates and the Association's structure, and second, to gain a place for the Association in the Institute's decision-making machinery.

### The Focus

The logical focus of any sort of undergraduate association is the living groups — they form the real center of the average student's life, where he spends most of his time and where he generally develops his closest friendships. Neither of the two other obvious groupings — the activities, and the academic departments — have the same level of attraction for most students. Living groups are small enough to allow face-to-face interaction, thus breaking down the anonymity that a 4000-member student body seems to foster. In addition, living groups, defined on the basis of a fairly small, social unit (fraternity, hall, or entry), are able to legitimately represent their members since they are so small and so close to their day-by-day concerns.

### A New Structure

The Undergraduate Association would become, then, a federation of living groups. It would focus on the needs of these groups and on "student" needs as they are developed in living groups. Based on these fairly strong social units, the Undergraduate Association would have a real claim to legitimacy, a claim it is not currently able to make. It would be able

to derive its authority from these groups and would refer all its actions to them for approval.

At the center of this proposed association would be a secretariat whose only function would be to assist in the circulation of information from working committee to living groups and vice-versa. The secretariat, however, would have no policy-making role, its sole function would be to provide communication services to the rest of the Association.

In all likelihood, the secretariat would have to be run by an Undergraduate Association President — the responsibility would simply have to fall on someone. Rather than being president of the undergraduate student body, however, this officer would really be the chairman of a federation of living groups. The election procedure should probably be changed; as it stands, most of the voters have very little idea who the candidates are. While it may not be the most democratic system, some sort of convention-like procedure, where elected delegates from each living group meet to choose the new chairman might be more practical — at least the voters would be able to meet the candidates.

While not exactly at its center, the most important part of the federation would be a group of "conferences." Each of these "conferences" would be organized around a specific topic; for example, there would be groups focusing on education, student environment, judicial problems, social affairs, athletics or even financial problems. Any issue or interest that several living groups shared in common could be recognized, and appropriate people from each group could meet to gather as a conference. In effect, they would parallel the task forces formerly set up by the General Assembly, although they would be broader in scope and wider in membership, and hopefully, some would be of a more permanent nature.

In addition to these "conferences," the new association should probably retain the few committees still operating: the Finance Board, the Nominations Committee, the Student Committee on Educational Policy, the Student Center Committee and perhaps a few others. These committees should be allowed to operate in a semi-autonomous manner, retaining their independence in everyday matters, but still retaining a sense of responsibility to the undergraduates at large. These committees should still rely on the judgment of their members and not try to be the mouthpieces of "student opinion." However, they should also attempt to increase their contact with the undergraduates at large: specifically, their minutes should be kept and distributed to all living groups. In addition, their membership should be in some way open to review by the Association as a whole. (Some of these committees, like SCEP for example, could be directly based on a "conference.")

Finally, the Association could offer students a way of entering into the Institute's decision-making process. The "conferences" and also some of the special committees should review proposals circulating in faculty committees that bear directly on students and could take part in the review process that each such proposal goes through. The "conferences" would be able, because of their specialization, to intelligently discuss proposals bearing on their area of interest. Further, they would serve to inform students of what the proposals mean by reviewing them and circulating their comments to living groups, seeking, in return, additional student comments. Finally, their approval might become an integral part of the committee system at MIT.

### Will it work?

Admittedly, there is no guarantee that this federation will be a viable structure for the undergraduate association. In fact, it might not work any better than the present system — the real problem may be with the students and not in the structure. Yet, if MIT students are to have a role in shaping their undergraduate years, some structure that will effectively involve a majority of them is needed. This is the crux of the matter: either we organize ourselves or we will have no voice in decisions which will have a major effect on us.

## Letters to The Tech

To the editor:

I am writing this in response to a letter in the March 24 issue of *The Tech* from Professors Kiparsky, Matthews and Pinson. I was at the conference at which some students and faculty, including SDS people, and the psychology department discussed the then forthcoming Bronfenbrenner lecture.

I was in the Student Center, lunchtime, just finished with lunch and about to start digesting it. Some students wandered through with an electric megaphone making an announcement about Bronfenbrenner, racism and the lecture. I asked the cat with the phone what was going on and he directed me to a room near the cafeteria where the discussion was already taking place, suggested I go in and see for myself, a very reasonable idea. I did. Nobody gave me a program when I walked in so it took a while to find out who was who.

The first thing I saw was an overweight, pompous guy with a stupid grin. He mumbled something about the relationship between astronomy and Bronfenbrenner's racism. Something like that, I didn't really catch the full meaning, it wasn't really too coherent. The man clearly thought he was terribly clever indeed and was addressing himself primarily to his most receptive audience: himself. I asked the person next to me and was told that the astronomer-philosopher was a professor from Earth and Planetary Sciences. Some student, I think, representing the student new left, called the Psychology Dept. a bunch of racists. Someone from that department, I think he was a graduate student but I'm not sure, replied diplomatically that he didn't feel he was a racist. He simply disagreed about the value of shouting people down as a way to combat racism.

He suggested that other ways, quieter, less-stimulating-to-the-ego ways might be more effective. I thought he held his temper well under the circumstances. The astronomer-philosopher muttered something about "bad science" and chuckled inanely when asked to explain. He said something to the effect of "Well, obviously... everybody knows..." etc. There was the usual rubbish about the analogy between the Black's situation here, today, and Hitler's Germany. The psychology department insisted that if anyone had objections to Bronfenbrenner's work, they should be aired in questions to Bronfenbrenner at the lecture. The radical student group (please note this, sirs) insisted they would do everything they could to keep Bronfenbrenner from speaking. There was a few minutes' repetition of this stalemate position, and that was where it ended. If the vocal I-love-Blacks types didn't make good their threat, reverence for Democracy is not the only possible reason. It might have been expediency, or cowardice, or they might have tried and failed, but I don't know. I only know I heard them vow to prevent Bronfenbrenner's speaking.

Now let's get back to the Hitler analogy. In this country, now, many Black children in slum areas are not in harmony with the schools they attend. The schools consider these children's performance poor, as judged by the standards that schools have always used to judge performance, in learning and in conduct. I am aware that the accepted and certified "non-racist" explanation for this is that the public schools are no damn good. Simplistic answers like this have great utility as slogans for fascists, but not for much else. There are some academicians who consider other explana-

tions for the fact of poor performance, in addition to public schools that are no damn good, but that in itself doesn't make them racists. It doesn't constitute a trend toward academic racism, at least not in any way resembling Nazi Germany.

In Germany things were a little different. There was no such fact of poor performance. Because the Jews of Germany generally performed intelligently and competently, by German standards, in their schools, professions and vocations, this competence was considered a diabolical cover-up for their stupidity. Why were Jews relatively free of vices? Because, explained the learned men, they are trying to conceal a bestial nature. Why did Jews appear to have a deep respect for human rights and dignity? Obviously, said the scholars, to hide their innate viciousness. And was there any evidence at all to justify these assertions? Absolutely none, said the professors, which proves beyond doubt how cunning and conniving are these Jews. This doublethink was not tolerated, it was encouraged, for all Germany wanted to hear it.

And while this was happening, men here like Kiparsky, Matthews and Pinson did not do or say a thing. I would like them to shut up about it now. They now have nothing to say about the Jews of Russia but, at some future date, to advance some fashionable cause, they can be counted on to wring their hands and lament most dramatically. The learned men don't change; only the fashions do.

The Jews of Germany and Europe are dead. I do not like to see them dug up for display at carnival side shows by every nitwit huckster who fancies himself a liberal. Do you read me, Kiparsky, Matthews and Pinson?

Ronald D. Rothchild



## music



Bobby Whitlock at the Sala

In the first of a series of Boston-area promotional concerts, Bobby Whitlock played at MIT, in a packed Sala de Puerto Rico. Bobby should be familiar to those who have followed Delaney & Bonnie or Derek and the Dominoes, as their organist, guitarist, and occasional writer and vocalist. He has a distinctive, rough, sometimes plaintive voice, well suited to the type of music he has been, and is, playing — rock & roll with strong country and blues influences. In fact, several of the songs from his album and concert are old D&B cuts; he opened with "Where There's a Will, There's a Way."

In his premier concert as a "solo" artist, he was backed by a lead guitar, drums, and bass, while he alternated on organ and rhythm guitar. They had indistinguishable names, to match their undistinguished accompaniment, with the possible exception of the lead guitarist. Bobby really got into his act, grimacing, screaming, sometimes almost crying; he got the band and the audience warmed up after only a couple of songs. Probably because they were using rented equipment, and this was one of their first gigs together, the sound was a little muddy, but the crowd was very "patient and attentive", which Bobby acknowledged several times. After putting off the requests for "Layla" by playing some cuts off a second album, Bobby performed the best received song of the night, "Thorn Tree in the Garden," from the Dominoes album, as an acoustic and vocal solo, and got a well-deserved ovation.

Bobby Whitlock is continuing in the tradition of the Bramletts and Derek and the Dominoes and, with some practice, will bear further listening. If you liked *Layla*, you'll probably like *Bobby Whitlock*.

~~~~~ Roger Goldstein ~~~~~



## ARTS

## music

Paul Pena: enviable

Paul Pena—Paul Pena (Capitol)

Paul Pena is a blind guitarist who sees things in a nice way, nice enough to belie his disability and make the rest of us feel a little better after listening to his music. His first album is an extremely comfortable collection of bluesy rock with a soulful accent. It is expressive and sensitive, but more importantly, it is one of the most listenable of recent rock releases.

Pena's songs are an interesting combination of lyric and rhythm, done in a voice that would resemble Kris Kristofferson if Kristofferson could sing on key. Unlike most rock singers, he chooses to sing in a low-key, controlled manner, although on several tracks he proves that he is quite capable of cutting loose. He works his voice around a four-piece backup group who rely on tightness and good sound mixing to set off a guitar style that is clean but not flashy. Lest you should be deceived by advertisements, however, he is *not* the new Jimi Hendrix that Capitol is promoting; Pena's work carries none of the frenzy that set Hendrix's style apart from all others. There are a few recurring lead themes that bring Hendrix blues to mind, but on the whole, his style is individual and needs no abstract comparisons to establish the fact that he is very, very good in his own right.

Few first albums are as good or as professional as Pena's recording. He shows songwriting abilities that, sadly, are often lacking in rock releases. His music will appeal to those of you who enjoy good guitar, or happy, rocking blues, or even catchy melody lines; this album is a fine composite of all three.

~~~~~ Gayle Johnson ~~~~~

Chris Smither drags on

*Don't It Drag On* — Chris Smither (Poppy)

Chris Smither is one of the more established of Boston-Cambridge musicians, in the ranks of Bonnie Raitt, Reeve Little, Jaime Brockett, Paul Geremia and assorted more and lesser known types. His major claim to a wider fame is his help in writing "The Titanic," which Brockett has since made a classic. *Don't It Drag On* shores up the reputation he has, but it does little to further it, and

bring him out of the group of talented, but not all that successful musicians, like those mentioned above, and Townes Van Zandt, David Bromberg, David Blue, and even countless more.

Chris Smither's voice is not that great (kind of fluttering, wavering), but it goes well with a lot of what he sings. His playing on acoustic guitar also fits well, as does most of the musicianship on *Don't It Drag On*, but it's nothing fantastic.

The Dead's "Friend of the Devil" and the Stone's "No Expectations" are done well by him, as are most of his original work. Yet the album is, and this is probably why Chris Smither and innumerable of his peers will remain relatively unknown, not terribly memorable. It's all right but it just falls short of being really good.

~~~~~ Neal Vitale ~~~~~

The Spirit of Feedback

Feedback — Spirit (Epic)

With Jay Ferguson and the Andes Brothers having departed the old group for Jo Jo Gunne, and Randy California splitting for places unknown, Spirit has been forced to undergo the personnel changes that are becoming a way of life for rock bands. The Staehely Brothers have joined Ed Cassidy and John Locke to form the new band, and together they've made a fine record. While Jo Jo Gunne took the characteristic Spirit sound (due chiefly to Ferguson's vocals) with them, the new group has got a solid sound to it, with overtones that are familiar but which defy connection or placement with anyone else.

Al Staehely's vocals are good for the most part, bolstered by his brother's voice and some backing females — his weakest point seems to be his lyricism. Musically, the group is still very strong, but Staehely's words are replete with blatant kinkiness that comes off sort of pseudo-hip, clearly the major weakness of *Feedback*. Otherwise, Locke's fine keyboards hark back to an Argent-ish sound, while J. Christian Staehely's lead guitar is of the quite capable sort that marks many a current band. "Chelsea Girls," "Cadillac Cowboys," a little bit of synthesizer-keyed music by Locke, "Puesta del Scam," an instrumental "Trancas Fog-Out," and "Witch" are all notable songs, with varying reminiscences of earlier Spirit. *Feedback* establishes the new Spirit as right up there in quality with Jo Jo Gunne and the old Spirit; and at a pretty high level, at that.

~~~~~ Neal Vitale ~~~~~

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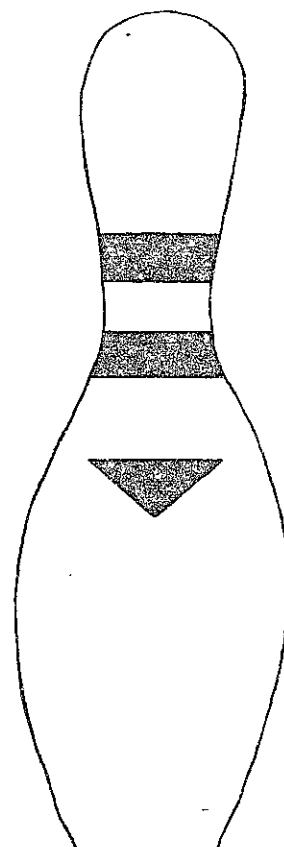
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 ♦ K Q J 10 9 8 3 2  
 ♣ 4  
 ♠ J 4  
 ♥ Q 8 4 2  
 ♦ 6  
 ♣ Q J 10 9 5 3  
 ♠ K 10 8 5 2  
 ♥ 9 5  
 ♦ A 5 4  
 ♣ 8 7 2  
 West North East South  
 1 dmd double 2 clubs 2 spades  
 5 dmds 6 spades pass pass  
 pass

Preemptive bids are double-edged devices. They are meant to inhibit the opponents from reaching a good contract, but they also often encourage the opponents to bid to an optimistic contract, one they would never have reached by themselves. In any event, interesting hands often result.

In today's hand West, after the first round of bidding, is pretty sure that North-South can bid and make a game in spades. Since, in addition, the vulnerability is in his favor, he crowds the auction by jumping to five diamonds. North, meanwhile, has revalued his hand dramatically upward. He sees that if South holds a couple of key cards, say the kings of

hearts and spades, a slam is within reach. And so, with a shrug of the shoulders and a "what the hell", he leaps to six spades.

When the king of diamonds is led the three players study the possibilities. Declarer quickly realizes that his only chance is to set up the heart suit. East does not have very much to think about, except possibly ducking a heart finesse. West has only one possibility to consider.

South wins with the ace and leads the nine of hearts, realizing that there is no danger of a diamond ruff if he makes certain that West does not win a trick. On the other hand West, seeing that his diamonds are worthless and that his queen of spades and king of hearts are going to drop, decides to complicate matters with the imaginative play of the king of hearts. This is unlikely to hurt, and might, as actually occurs, set up a double stopper in partner's hand.

Declarer takes the ace and draws trump, for were he to continue the hearts West might win and lead back a diamond. The five of hearts is then led, and East takes the ten with the queen. South now claims the rest, however, for he can discard a club on the jack of hearts and ruff both diamonds in dummy.

Daniel Reinhardt

# "Immaturity" topic of lectures

On this Thursday and Friday, Dr. Jerome Bruner will deliver a series of two lectures, under the auspices of the Compton Lecture Series Committee on "The Nature and Uses of Immaturity."

The first lecture, on Thursday, is entitled "The Primate Evolution of Educability" and will deal with the scientific and anthropological aspects of immaturity. The Friday lecture on "Models, Tutors, and Human Pedagogy" will deal with applications in education. Both lectures will be in Kresge Auditorium at 8 pm.

Dr. Bruner is a professor of psychology at Harvard. He came to Harvard after his work during World War II on the analysis of propaganda and public opinion. At Harvard his work centered upon the nature of the processes underlying opinion formation and other social phenomena — perception, thought, learning, language.

From 1956 to 1960 he directed an informal federation of researchers working on the nature of cognitive functioning, and then helped found, in 1960, the Center for Cognitive Studies at Harvard of which he has been director. He was appointed Visiting Member of the Institute

for Advanced Study, Princeton in 1951-2, a Guggenheim Fellow in 1955-6 at Cambridge University, and as Harvard's Bacon Professor at the University of Aix-en-Provence in the spring of 1965.

From 1956 onward his interest in the cognitive processes extended increasingly to the study of development in children and with that has grown a parallel interest in the nature of the educational process. Professor Bruner was engaged for most of 1964-65 in the construction of an elementary school curriculum in social studies. In the last few years, his research has been concerned

with the study of perception, attention, learning, memory, early language acquisition, and problem solving in children during the first two years of life.

Free tickets for the lectures will be distributed on Wednesday in the Building 10 lobby. Tickets will be good for admission on both nights until 7:50 at which time the doors will be open to the general public.

The Compton Lectures were established in honor of Karl Taylor Compton, for many years President of the Institute, with the purpose of bringing distinguished lecturers to the MIT campus.

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14



## CSC plans tributes to Chinese life, culture

By Peter L. Chu

China Week, a Chinese Student's Club activity, officially started yesterday here at the Institute. During China Week, the CSC will present MIT and the community with information concerning various aspects of Chinese life and culture.

This year's China Week will be run on some of the same lines as last year's China Week, according to Ray Eng, who is organizing the program.

Throughout the week, slides of Chinese scenes will be shown on the ceiling of the main corridor in Building 3, from 9 am to 6 pm.

From 10 am to 4 pm, starting today and running through Friday, small Chinese "gifts" will be sold at a CSC booth set up in the lobby of Building 10. Objects sold at the booth will include scroll paintings, lanterns, vases (porcelain), chop sticks, and other such items. In addition, small Chinese pastries and tickets to all events of China Week will be sold at the booth.

Films and some slides of Taiwan, Mainland China, and Hong Kong will be shown from 7:30 to 11 pm Tuesday, Wednesday, and Thursday evenings in room 407 of the Student Center. Films will come from the New York University Film Library, Time-Life Magazines, and the Taiwanese Consulate here in the United States. Admission to these films will be free.

Upcoming this Friday will be a dance in Lobdell starting at 8 pm. Tickets will be \$2.00 in advance and \$2.50 at the door.

The final crowning event of China Week will be the China Night Variety Show to be held in Kresge Saturday at 8 pm. The main feature of this show will be the live performance of excerpts

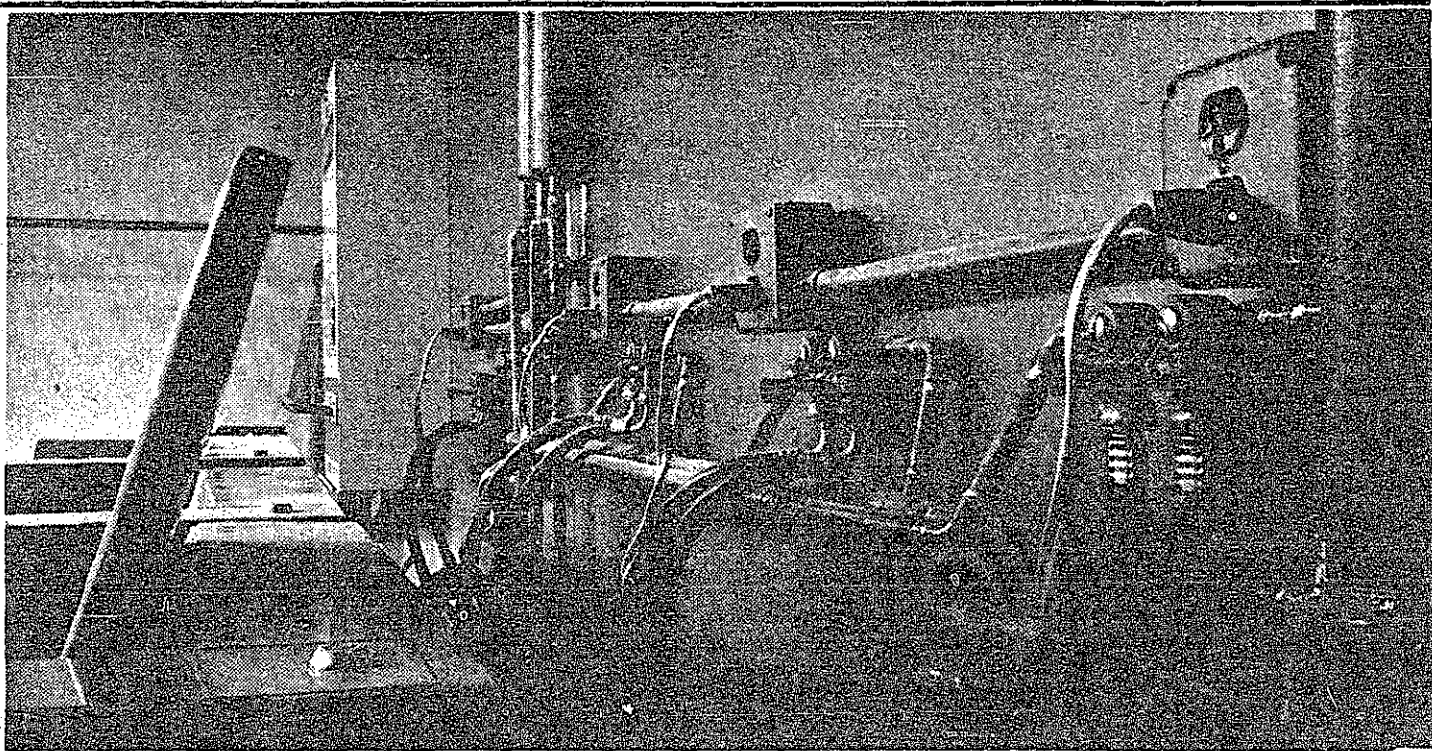
from three classical Peking operas — the *Monkey*, *Jade Bracelet*, and *The Rise and Fall of the King*. The opera excerpts will be performed by the Institute of Chinese Opera Performers, a group of about twenty semi-professional opera players from the New York area.

Chinese Opera is quite different from Western Opera in many respects. First of all, the music is most certainly of its own style and must be heard to be described. It is played by a variety of instruments — as many as 24 different types. Examples might include a violin with two silk strings with a horse-hair bow, a four stringed guitar, a bamboo flute, and a large assortment of drums, clackers, gongs and cymbals.

Another difference between Western and Chinese Opera is that there is little if any scenery in Chinese Opera. However the costumes and face paint provide enough glitter and dazzle in themselves. Very symbolic pantomime substitutes for any material stage props. For instance, an actor might bring his hands together to indicate that he is closing a door. Face paint shows the character's personality. Black symbolizes integrity while red shows loyalty and bravery.

At the China Opera performance in Kresge, detailed programs in English will be handed out to the audience, so that the action in the operas may be followed without a knowledge of Chinese.

In addition to the opera, there will be a potpourri of other acts in the show. The Chinese Inter-collegiate Choral Society will present additional songs of China. There will also be a fashion show, some magic, and a number of small acts by individuals.



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The results of the MIT Athletic Association election which was held on March 21 were as follows: President, Dave Wilson '73; Secretary, Randy Young '74; Members-at-large, Ed Kavazanjian '73 and Dan Bethencourt '75. The fifth member, the Varsity Club representative, will be elected in a separate meeting on April 19.

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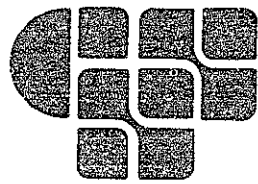
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**SPORTS****Sailors take Tufts;  
place fourth in Owen**

MIT's varsity sailing squad opened its season on Saturday and Sunday with competition in the Owen Trophy Regatta and a regatta at Tufts. The mariners came away with a three-point victory over host school Tufts on Sunday, and a fourth place finish in the Owen, emblematic of the Eastern Old Guard Championship.

A strong performance late in the regatta almost gave the Tech sailors a second place in the Owen, but a questionable foul in the last race dropped them to fourth. Alan Spoon '73, with Dean Kross '73 crewing, finished strong to win the last two races in A-Division, while Larry Bacow '73 and Steve Cucchiaro '74 co-skippering in Division B with Bob Longair '73 as crew, would have clinched low point honors if not for the disqualification.

The regatta, sailed at the Coast Guard Academy in New London, Connecticut, was won by the Naval Academy, followed by Yale and the U.S. Merchant Marine Academy. The final results were: Navy 76, Yale 87, Merchant Marine 92, MIT 97, Harvard 119, Coast Guard 124, Princeton 131, Brown 132,

Dartmouth 184, Columbia 204, Cornell 205.

The caliber of the competition was high, with several of the schools present ranked in the top ten nationally.

Consistent sailing gave MIT a first place in a regatta sailed at Tufts in puffy, shifty winds on Sunday. In A-Division, Frank Keil '73, with Richard Zippel '74 crewing, placed third, while Walter Frank '74 (with a first and a second) and Frank Miller '72 co-skippered MIT's "B" entry to first place divisional honors.

Tech's total score of twenty-one points topped the seven school fleet, followed by Tufts 24, Babson 28, Boston State 29, Boston University 38, Yale 41, and Northeastern 53.

General sailing at the MIT Sailing Pavilion opened yesterday for members of the MIT Community with current Nautical Association membership cards. The cards may be purchased in room E19-215. For those wishing to learn to sail, the MITNA will sponsor basic sailing shore schools on Monday and Thursday evenings at the Pavilion.

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We need two organizers to work with unions and other workers to improve working conditions. Some organizing experience would be useful. Call or write: Industrial Health and Safety Group, Urban Planning Aid, 639 Mass. Ave., Cambridge, 02139. 661-9220.

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